BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division

Comparitive Statement

Restoration and Improvements of Roads At Suryavamshi Layout, Symvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

e of Work:

stimate Amount:- Rs. 10,00,00,000.00/-

Name of Contractor:- M/s ACR Projects

Approved amount:- 88,383,222.05

Tender premium:- 1.00% above

Sl. No.	Description of Work	Unit	Qty as per Schedule			Total Qty Executed	Qty. as per Actuals upto 115%			Qty. as per Actuals above 115%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty	Rates	Amount	Qty	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
1	KSRA\100-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	5656.32	217.43	1229941.05	6640.36	6640.36	217.43	1443813.91	0.00	217.43	0.00	6640.36	1443813.91	213872.86	0.00	
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	1205.41	5675.99	6841886.59	1307.43	1307.43	5675.99	7420934.06	0.00	5675.99	0.00	1307.43	7420934.06	579047.47	0.00	
3	KSRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Tn	126.56	80948.07	10244562.22	117.38	117.38	80948.07	9501691.90	0.00	80948.07	0.00	117.38	9501691.90	0.00	742870.31	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinery curing etc., complete excluding cost of steel as per MORTH specifiuation no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.	Cum	1886.45	7497.22	14143117.92	1914.62	1914.62	7497.22	14354297.95	0.00	7497.22	0.00	1914.62	14354297.95	211180.03	0.00	
5	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc complete.As per Engineer incharge.	Sqm	3516.80	1941.22	6826872.79	5224.23	4395.99	1941.22	8533590.99	828.24	1941.22	1607788.77	5224.23	10141379.76	3314506.97	0.00	
6	Removing and refixing stone slabs of drains and pointing in CM (1:3).	Sqm	1065.59	112.41	119772.29	0.00	0.00	112.41	0.00	0.00	112.41	0.00	0.00	0.00	0.00	119772.29	
7	KSRB 5-B.1 : Providing one fine dressing to granite stone slab / granite stone masonry as per specifications.	Sqm	478.15	960.33	459373.86	0.00	0.00	960.33	0.00	0.00	960.33	0.00	0.00	0.00	0.00	459373.86	
8	Providing and fixing pre cast covering Slab 150mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	74.40	2517.93	187333.99	0.00	0.00	2517.93	0.00	0.00	2517.93	0.00	0.00	0.00	0.00	187333.99	
9	Providing and fixing RCC precast cover slab of 210mm thick for drains in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer incharge.	Sqm	547.47	4530.86	2480509.92	318.88	318.88	4530.86	1444780.34	0.00	4530.86	0.00	318.88	1444780.34	0.00	1035729.59	

	lift,transportation etc ,complete.As per Engineer	Sqm	828.24	1941.22	Rupees One Thousand Nine Hundred Forty One And Paise Twenty Two Only
	125%				

	Unit	Qty as per Schedule9			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
		Qty.	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty.	Amount	Excess	Savings	
ries of Work		7	8	9	10	11	12	13	14	15	16	17	18	19	20	
2	3															
6 ; Providing and laying in position plain cement concrete of with OPC @ 240kgs. with 20mm and down size graded nite metal coarse aggregates @ 0.878 cum and fine aggregates @ 53cum, machine mixed, concrete laid in layers not exceeding 15 cms. hick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	262.82	6089.85	1600546.56	279.45	279.45	6089.85	1701835.99	0.00	6089.85	0.00	279.45	1701835.99	101289.43	0.00	
Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of material's, labour charges of machinery, loading and unloading, lead and lift, transportation etc ,complete	Nos	23883.00	436.80	10432094.40	19728.00	19728.00	436.80	8617190.40	0.00	436.80	0.00	19728.00	8617190.40	0.00	1814904.00	
Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with material's, labour complete as per specifications.	Sqm	3185.25	85.65	272816.66	3107.28	3107.28	85.65	266138.71	0.00	85.65	0.00	3107.28	266138.71	0.00	6677.95	
KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lewithan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Sqm	67.92	989.23	67188.50	47.92	47.92	989.23	47403.90	0.00	989.23	0.00	47.92	47403.90	0.00	19784.60	
KSRB 14.6 : Providing and laying heavy duty cobble stones interlocki pavers, 60mm thick using cement and course sand for manufeature of blocks of approved size, shape and colour with a minimum compressive strength of 251 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up In between joints, Final compaction of paver surface joints into its final level, including cost of material's, labour and HOM complete as per	Sqm	2220.38	1127.34	2503323.19	1031.41	1031.41	1127.34	1162755.05	0.00	1127.34	0.00	1031.41	1162755.05	0.00	1340368.14	
KSRB M100-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.	Cum	6591.21	64.58	425660.18	6337.33	6337.33	64.58	409264.89	0.00	64.58	0.00	6337.33	409264.89	0.00	16395.29	
KSRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications	Sqm	15632.40	6.42	100360.01	20604.74	19540.50	6.42	125450.01	1064.24	6.42	6832.43	20604.74	132282.44	31922.43	0.00	
KSRB M300-53. Construction of embankment with approved materia Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density.	Cum	146.85	347.95	51096.46	0.00	0.00	347.95	0.00	0.00	347.95	0.00	0.00	0.00	0.00	51096.46	
Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at CMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.	Cum	2344.86	2014.87	4724588.07	2458.49	2458.49	2014.87	5034138.09	0.00	2014.87	0.00	2498.49	5034138.09	309550.02	0.00	
KSRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at CMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	3126.48	2021.29	6319522.76	3356.63	3356.63	2021.29	6784725.48	0.00	2021.29	0.00	3356.63	6784725.48	465202.72	0.00	

lift,transportation etc ,complete.As per Engineer incharge.	Sqm	828.24	1941.22	Rupees One Thousand Nine Hundred Forty One And Paise Twenty Two Only
Above 125%				Rupees One Hundred

ption of Work	Unit	City as per Schedule0			Total Qty Executed	City. as per Actuals upto 125%			City. as per Actuals above 125%			Total		Difference		Remarks
		City	Rates	Amount		City.	Rates	Amount	City.	Rates	Amount	City	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	B M500-6. Providing and applying primer coat with S.S. bitumen on prepared surface of granular base such as WMM including ion of road surface and spraying primer at the rate of 0.60 kg / m using mechanical means complete as per specifications Clause 502 of MORTH V revision	Sqm	15632.40	34.26	535566.02	16657.26	16657.26	34.26	570677.86	0.00	34.26	0.00	16657.26	570677.86	35111.84	0.00	
	KSRB M509-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG10 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical Paver Grid (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	826.77	7365.73	6089764.59	833.02	833.02	7365.73	6135815.50	0.00	7365.73	0.00	833.02	6135815.50	46050.91	0.00	
22	KSRB 509-7 Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fired with sorke set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications	Sqm	16515.40	12.85	212479.89	16659.55	16659.55	12.85	214075.28	0.00	12.85	0.00	16659.55	214075.28	1595.39	0.00	
23	KSRB. M500-15. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Grid (30 mm to 40 mm) with 5.4% VG-30 Bitumen.	Cum	661.42	8534.82	5645066.51	666.38	666.38	8534.82	5687409.45	0.00	8534.82	0.00	666.38	5687409.45	42342.95	0.00	
24	KSRB M600-1.Providing and Constructing dry lean cement concrete mix GC 1:5:10 base with OPC 35mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.55cum over a prepared subbase, coarse and fine aggregate conforming to IS 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.55cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver.	Cum	662.99	4101.90	2719528.94	689.92	689.92	4101.90	2829970.87	0.00	4101.90	0.00	689.92	2829970.87	110441.93	0.00	
25	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS 383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joins filler, separation membrane of impermiable plastic sheet of 125 micron, sealent primer, joint sealant, admixtures as approved, curing compound.	Cum	662.99	5600.65	3372858.27	689.92	689.92	5600.65	3926076.63	0.00	5600.65	0.00	689.92	3926076.63	153218.36	0.00	
26	KSRB M820-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications	Sqm	533.83	459.29	245180.48	566.68	566.68	459.29	260269.91	0.00	459.29	0.00	566.68	260269.91	15089.42	0.00	

	lift,transportation etc ,complete as per Engineer incharge.	Sqm	828.24	1941.22	Rupees One Thousand Nine Hundred Forty One And Paise Twenty Two Only
	Above 125%				Rupees One Hundred

ription of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	19	17	18	19	20
2300-35. Supply and Installtion of Moulded Shank Raised Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33033/0/97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 55 degree. The strength of detachment of the integrated cylindrical shanks, of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer	Nos	367.00	360.79	132409.93	790.00	459.00	360.79	165602.61	331.00	360.79	119421.49	790.00	285024.10	152614.17	0.00	
													88371952.48	5783036.91	5794306.49	
													11269.57	11269.57		
Sub Total													88383231.06	5794306.49	5794306.49	
Miscellaneous & Rounding off																
Total					88383231.06											

Contractor

Assistant Engineer

Asst. Executive Engineer
Yelahanka Executive Engineer
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer
Executive Engineer
Bruhat Bangalura Mahanagara Palik
Yelahanka, Division

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಮುಖ್ಯ ಅಭಿಯಂತರರ ಕಚೇರಿ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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